

A CLEAN VERSION OF THE CLAIMS AS AMENDED

cl 1. A method of forming transmission lines and openings for buried passive components in green tapes comprising

embossing a channel or opening directly into the surface of a green tape using an embossing tool having a desired pattern thereon using heat and pressure sufficient to transfer the pattern from the embossing tool to the green tape, and

screen printing a suitable ink into the channel or opening to fill the channel or opening.

2. A method according to claim 1 wherein embossed transmission line channels are filled with a conductive ink.

3. A method according to claim 2 wherein the conductive ink includes silver powder and an organic vehicle to provide a viscosity of about 30 poise.

4. A method according to claim 1 wherein embossed openings are made in a green tape and screen printed to fill the opening using a resistor ink.

5. A method according to claim 1 wherein embossed openings are made in a green tape and screen printed to fill the opening using a capacitor ink.

6. A method according to claim 5 wherein said capacitor ink includes lead magnesium niobate.

C1 7. A method according to claim 5 wherein said capacitor ink includes barium titanate.

C2 9. A method of making buried passive components in a multilayer green tape stack comprising

a) embossing an opening of a desired shape and size using an embossing tool and heat and pressure sufficient to transfer the pattern from the embossing tool to the green tape directly into the surface of a green tape;

b) filling said opening by screen printing with an ink including said component material;

c) burying said green tape in a green tape stack;

d) aligning and laminating said stack onto a metal support board coated with a low melt temperature glass; and

e) firing said stack to remove organic materials and to densify the glass of the green tape.

C3 11. A method according to claim 9 wherein said support board is of metal.

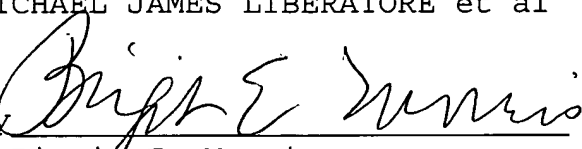
Docket No. SAR 12743

A Petition for a one month extension of the term for
response is also attached.

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By


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